

**Time of Request:** Wednesday, February 24, 2016 17:50:36 EST  
**Client ID/Project Name:**  
**Number of Lines:** 752  
**Job Number:** 2827:550741768

Research Information

**Service:** Terms and Connectors Search  
**Print Request:** Selected Document(s): 2,4-10,13,24  
**Source:** All English Language News  
**Search Terms:** air & "stained glass" & emissions & (cadmium OR arsenic)

**Send to:** DOYLE, LIZ  
EPA ORC REGION 10-SEATTLE  
1200 6TH AVE  
SEATTLE, WA 98101-3123



2 of 24 DOCUMENTS

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Associated Press State & Local

February 21, 2016 Sunday 12:52 AM GMT

**SECTION:** STATE AND REGIONAL

**LENGTH:** 396 words

**HEADLINE:** Portland pollution discovered almost as afterthought

**DATELINE:** PORTLAND, Ore.

**BODY:**

**Ex. 4 - Copyright**

# Ex. 4 - Copyright

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Information from: The Oregonian, <http://www.oregonlive.com>

**LOAD-DATE:** February 21, 2016



4 of 24 DOCUMENTS

Copyright 2016 The Oregonian  
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The Oregonian (Portland Oregon)

February 20, 2016 Saturday  
1M EDITION

**SECTION:** A; Pg. 01

**LENGTH:** 1014 words

**HEADLINE:** Heavy metal sources were an accidental discovery

**BYLINE:** Fedor Zarkhin The Oregonian/OregonLive

**BODY:**

**Ex. 4 - Copyright**

# Ex. 4 - Copyright

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fzarkhin@oregonian.com

Moss

Continued from A1

**GRAPHIC:** 6OR0011MA0220\_971509.xml

**LOAD-DATE:** February 21, 2016



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Copyright 2016 Associated Press  
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Associated Press State & Local

February 19, 2016 Friday 4:57 PM GMT

**SECTION:** STATE AND REGIONAL; Member Exchange

**LENGTH:** 1015 words

**HEADLINE:** Portland leaders criticize state pollution response

**BYLINE:** By FEDOR ZARKHIN, The Oregonian

**DATELINE:** PORTLAND, Ore.

**BODY:**

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# Ex. 4 - Copyright



# Ex. 4 - Copyright

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Information from: The Oregonian, <http://www.oregonlive.com>

**LOAD-DATE:** February 20, 2016



6 of 24 DOCUMENTS

Copyright 2016 The Oregonian  
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The Oregonian (Portland Oregon)

February 19, 2016 Friday  
1M EDITION

**SECTION:** A; Pg. 01

**LENGTH:** 835 words

**HEADLINE:** Alarm over toxic **air** moves to vegetables

**BYLINE:** Fedor Zarkhin and Lynne Terry The Oregonian/OregonLive

**BODY:**

**Ex. 4 - Copyright**

# Ex. 4 - Copyright

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o

fzarkhin@oregonian.com 503-294-7674; @fedorzarkhin

lterry@oregonian.com

Pollution

Continued from A1

**LOAD-DATE:** February 20, 2016



7 of 24 DOCUMENTS

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Earthfix (Oregon)

February 18, 2016 Thursday

**SECTION:** ENVIRONMENT

**LENGTH:** 1514 words

**HEADLINE:** Why Portland Heavy Metals Pollution Went Undetected For So Long

**BYLINE:** Cassandra Profita

**BODY:**

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EarthFix is a public media partnership of Oregon Public Broadcasting, Idaho Public Television, KCTS9 Seattle, KUOW Puget Sound Public Radio, Northwest Public Radio and Television, Jefferson Public Radio, KLCC and the Corporation for Public Broadcasting.

**LOAD-DATE:** February 19, 2016





8 of 24 DOCUMENTS

Copyright 2016 The Oregonian  
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The Oregonian (Portland Oregon)

February 16, 2016 Tuesday  
1M EDITION

**SECTION:** A; Pg. 01

**LENGTH:** 870 words

**HEADLINE:** Brown's vow to fix **air** pollution faces limitations

**BYLINE:** Rob Davis The Oregonian/OregonLive

**BODY:**

**Ex. 4 - Copyright**

# Ex. 4 - Copyright

Brown's vow to fix air pollution faces limitations The Oregonian (Portland Oregon) February 16, 2016 Tuesday

o

rdavis@oregonian.com

503-294-7657; @robwdavis

Pollution

Continued from A1

**GRAPHIC:** 27997625-Bullseye\_Glass\_Pol.jpg

**LOAD-DATE:** February 17, 2016



9 of 24 DOCUMENTS

Copyright 2016 Tribune Publishing Co.  
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Lewiston Morning Tribune (Idaho)

February 14, 2016 Sunday

**LENGTH:** 761 words

**HEADLINE:** Senators: Portland's toxic air is 'public health emergency'

**BODY:**

Associated Press

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**LOAD-DATE:** February 16, 2016



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The Oregonian (Portland Oregon)

February 14, 2016 Sunday  
1M EDITION

**SECTION:** A; Pg. 02

**LENGTH:** 832 words

**HEADLINE:** Is this our Erin Brockovich moment?

**BODY:**

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# Ex. 4 - Copyright

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**Ex. 6 - Personal Privacy**

**GRAPHIC:** Bullseye-Glass-21.jpg

**LOAD-DATE:** February 15, 2016





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US Official News

February 13, 2016 Saturday

**LENGTH:** 1212 words

**HEADLINE:** Washington: Wyden, Merkley, Blumenauer Ask EPA's Help in Portland Over **Cadmium and Arsenic** Hotspots

**DATELINE:** Lahore

**BODY:**

Washington: Office of the Senator Ron Wyden has issued the following news release:

U.S. Sens. Ron Wyden and Jeff Merkley and U.S. Rep. Earl Blumenauer today wrote federal environmental regulators asking them to act now in response to the public health concerns of Portlanders in neighborhoods with hotspots of airborne heavy metals.

In their letter to Environmental Protection Agency Administrator Gina McCarthy, the Oregon lawmakers pointed out the extreme community concern over hotspots of dangerously high levels of **cadmium and arsenic** in southeast and north Portland.

Given the level of community concern, they asked the EPA's assistance in three key areas:

Washington: Wyden, Merkley, Blumenauer Ask EPA's Help in Portland Over Cadmium and Arsenic Hotspots US  
Official News February 13, 2016 Saturday

Helping city and state officials to assess current public health risk factors in affected areas of southeast and north Portland;

Updating as soon as possible federal **emissions** standards for **stained glass** plants like those connected to the hotspots; and

Increasing the federal agency's role in the areas of **air** quality monitoring, modeling and research

"While the immediate known danger from these facilities has subsided, our communities are rightfully concerned about risks to public health," the three lawmakers wrote. "We, along with the public, are alarmed by seeming revelations that these toxic **emissions** fall into a regulatory loophole and are demanding that the agencies entrusted to protect public health act decisively on this matter."

See below for the entire letter.

February 12, 2016

The Honorable Gina McCarthy

Administrator

Environmental Protection Agency

1200 Pennsylvania Avenue, N.W.

Washington, D.C. 20460

Dear Administrator McCarthy,

We write to ask for your assistance in responding to the public health emergency identified by the discovery of hotspots of dangerously high levels of **cadmium and arsenic** in the **air** in Portland, Oregon. These hotspots are linked to **emissions from stained glass** manufacturing facilities located in densely populated urban areas and in close proximity to multiple schools. The Oregon Department of Environmental Quality (DEQ) is working with the Oregon Health Authority and Multnomah County Health Department to investigate the public health risks from exposure to these airborne heavy metals. The **stained glass** manufacturing facilities have reported that they have voluntarily suspended all operations that use **arsenic and cadmium**.

While the immediate known danger from these facilities has subsided, our communities are rightfully concerned about risks to public health, as illustrated by the fact that over 750 people attended a community open house on February 9th convened by the Multnomah County Health Department and Portland Public Schools. Over the long-term, concentrated exposure to **cadmium and arsenic** increases the risk of kidney disease and liver, lung, skin, and bladder cancer. We, along with the public, are alarmed by seeming revelations that these toxic **emissions** fall into a regulatory loophole and are demanding that the agencies entrusted to protect public health act decisively on this matter.

We request you respond decisively to this issue in three key ways to protect public health. First, we ask you to aid Portland and the State of Oregon in assessing the urgent public health risks associated with these **emissions**. Second, we ask you to expeditiously update federal standards for facilities like those implicated in this situation. Third, we encourage you to increase **air** quality monitoring, modeling, and research.

#### Immediate Response and Risk Assessment

An immediate assessment of the extent of these pollutants and their associated health risks is urgently needed. There remains a lack of data on the localized concentration of these contaminants and the length of time residents may have been exposed. We ask you assist the State of Oregon and the City of Portland by providing resources to conduct timely risk assessments to achieve a better understanding of the concentrations of the hazardous pollutants and their associated public health risks. In addition, please work in partnership with the Agency for Toxics Substances and Disease Registry, the Pediatric Environmental Health Specialty Units (PEHSUs) and others to address this urgent public health risk. The results of these risk assessments and what they mean for public health should be communicated in a timely and understandable manner to the public.

#### Update Federal **Emissions** Standards for Area Sources

This situation in Oregon calls for an expeditious review and update of federal **emissions** standards for facilities such as the glass plants in Portland. Section 112 of the Clean **Air** Act directs EPA to review, and revise as necessary, these **emissions** standards every eight years. The last time they were addressed was December 2007. It is time for EPA to update these pollution standards, reflecting current developments in control technologies and techniques. We urge you

to begin the process of updating these federal standards, which are important to protecting the public health of communities in Portland and across America.

Additionally, according to Clean **Air** Act Section 112(c), the EPA should routinely reconsider the categorization of hazardous **air** pollutant sources. Insofar as the unique glass production techniques employed at **stained glass** manufacturing facilities materially differ from other glass production techniques with respect to **emissions** rates and hazards, we encourage you to consider reclassifying these plants as a unique category or subcategory so as to adequately reflect their production processes and concomitant public health risks.

We recognize that the promulgation of new rules and source listings can take time. While we respect the need to develop regulations with adequate public participation, there is an urgent need for action. Therefore, we urge you to convene a group of industry, public health, and other appropriate stakeholders and experts to identify technological or process improvements that could mitigate or eliminate these kinds of **emissions** in the near-term.

#### **Air** Quality Monitoring

**Air** quality monitoring is critical to detect and prevent **air** pollution and guide our response to incidents like this one. Not only is there a shortage of monitoring to accurately determine **air** toxin exposure, but we need to improve our ability to detect local-level **air** pollution. For example, even though one of the 27 National **Air** Toxic Trends Stations is located in Portland, it failed to detect the unsafe levels of **cadmium and arsenic**. We are aware of this health risk in Portland only because of a Forest Service pilot study of toxic metals concentrations in tree moss. The importance of continuing such environmental monitoring cannot be overstated. We encourage the EPA to consider reviving community scale and school-focused **air** quality initiatives and building new partnerships that could amplify its monitoring capacity--with other governmental agencies and with private parties.

We stand ready to assist you with any and all of these suggestions and look forward to working with you to further clean **air** efforts in Oregon and nationwide.

Sincerely,

In case of any query regarding this article or other content needs please contact: [editorial@plusmediasolutions.com](mailto:editorial@plusmediasolutions.com)

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Ceramic Industry

August 1, 1990

**SECTION:** Pg. p20(1) Vol. V135 No. N2 ISSN: 0009-0220

**ACC-NO:** 8956518

**LENGTH:** 428 words

**HEADLINE:** Lead, **cadmium** legislation snowballs.;  
column

**BYLINE:** Calderwood, James A.

**BODY:**

Lead, **cadmium** legislation snowballs

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**LOAD-DATE:** March 26, 2008